NOTIFICATION CONCERNING SUBMISSION OR TRANSMITTAL OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

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19 February 2005 (19.02.2005)

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26 February 2004 (26.02.2004)

Applicant

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BASF AKTIENGESELLSCHAFT et al

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26 February 2004 (26.02.2004)

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INTERNATIONAL SEARCH REPORT

Internal al Application No
PCT/EP2005/001759

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C09D11/00	
IPC 7 C09D11/00	

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C09D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category •	Citation of document, with Indication, where appropriate, of the	relevant passages	Relevant to claim No.
P,X	EP 1 457 534 A (KIWA CHEMICAL IN CO., LTD) 15 September 2004 (200 claims; examples		1-10
P,X	WO 2004/031255 A (BASF AKTIENGES KRUEGER, CHRISTIAN; HEES, ULRIKE GELDER,) 15 April 2004 (2004-04- example 4	E; VAN	1-10
X	EP 1 020 499 A (SEIKO EPSON CORF 19 July 2000 (2000-07-19) paragraph '0013! - paragraph '00 examples		1–10
X	US 4 689 078 A (KOIKE ET AL) 25 August 1987 (1987-08-25) examples 2,3		1–10
χ Furti	ner documents are listed in the continuation of box C.	-/	n annex.
Special ca	tegories of cited documents:		
'A" docume	ont defining the general state of the art which is not lered to be of particular relevance	"T" later document published after the into or priority date and not in conflict with cited to understand the principle or the	the application but
	document but published on or after the international	invention 'X' document of particular relevance; the c	
'L' docume which	ant which may throw double on priority claim(s) or is clied to establish the publication date of another n or other special reason (as specified)	cannot be considered novel or cannot involve an inventive step when the document of particular relevance; the cannot be considered to involve an in	cument is taken alone laimed invention
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'P* docume later th	ent published prior to the international filing date but nan the priority date claimed	in the art. "&" document member of the same patent	family
Date of the	actual completion of the international search	Date of mailing of the international sea	rch report
1	4 April 2005	22/04/2005	
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INTERNATIONAL SEARCH REPORT

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(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/EP2005/001759		
ategory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
K	EP 1 156 086 A (SEIKO EPSON CORPORATION) 21 November 2001 (2001-11-21) claims; examples	1-10		
(EP 1 234 859 A (SEIKO EPSON CORPORATION) 28 August 2002 (2002-08-28) cited in the application paragraph '0012! - paragraph '0014!; examples paragraph '0035! - paragraph '0036!	1-10		
(EP 1 333 048 A (AIR PRODUCTS AND CHEMICALS, INC) 6 August 2003 (2003-08-06) cited in the application paragraph '0029!; claim 16	1-10		
(WO 03/052009 A (KIWA CHEMICAL INDUSTRY CO., LTD; MAEKAWA, SHUNJI; TANAKA, HIROKI) 26 June 2003 (2003-06-26) the whole document	1-10		
(PATENT ABSTRACTS OF JAPAN vol. 2003, no. 09, 3 September 2003 (2003-09-03) & JP 2003 128962 A (TORAY IND INC), 8 May 2003 (2003-05-08) abstract	1-10		
	PATENT ABSTRACTS OF JAPAN vol. 012, no. 444 (C-545), 22 November 1988 (1988-11-22) & JP 63 168477 A (MITSUBISHI KASEI CORP), 12 July 1988 (1988-07-12) abstract	1-10		
	PATENT ABSTRACTS OF JAPAN vol. 011, no. 185 (C-428), 13 June 1987 (1987-06-13) & JP 62 010173 A (MITSUBISHI CHEM IND LTD), 19 January 1987 (1987-01-19) abstract	1-10		
	PATENT ABSTRACTS OF JAPAN vol. 018, no. 562 (C-1265), 27 October 1994 (1994-10-27) & JP 06 200200 A (SEIKO EPSON CORP; others: 01), 19 July 1994 (1994-07-19) abstract	1-10		
	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 06, 30 April 1998 (1998-04-30) & JP 10 036743 A (KAO CORP), 10 February 1998 (1998-02-10) abstract	1-10		

INTERNATIONAL SEARCH REPORT

information on patent family members

Internal al Application No
PCT/EP2005/001759:

							005/001759
	Patent document ed in search report		Publication date		Patent family member(s)		Publication date
Ε	P 1457534	A	15-09-2004	AU EP US CN WO JP	200234952 145753 200419634 155394 0305200 348418	4 A1 3 A1 2 A 9 A1 7 B2	30-06-200 15-09-200 07-10-200 08-12-200 26-06-200 06-01-200
W	0 2004031255	A	15-04-2004	JP DE AU WO	200324695 1024520 200327026 200403125	9 A1 1 A1	05-09-200 08-04-200 23-04-200 15-04-200
EI	² 1020499	Α	19-07-2000	EP US WO JP	1020499 6409330 0004103 2004042604	9 A1 0 B1 3 A1	19-07-200 25-06-200 27-01-200 12-02-200
US	 6 4689078	A	25-08-1987	JP JP JP DE GB HK SG	1946134 3049313 62053385 3629854 2181446 69591 89591	4 C 1 B 5 A 4 A1 5 A ,B	10-07-1999 29-07-1993 09-03-1987 05-03-1987 23-04-1987 06-09-1993
EP	1156086	А	21-11-2001	EP US WO	1156086 2003037699 0148101	A1	21-11-2001 27-02-2003 05-07-2001
EP	1234859	A	28-08-2002	JP EP US	2003253166 1234859 2002157569	A1	10-09-2003 28-08-2002 31-10-2002
EP	1333048	A	06-08-2003	US BR CN EP JP	2003158448 0300363 1435403 1333048 2003238472	A A A1	21-08-2003 09-09-2003 13-08-2003 06-08-2003 27-08-2003
WO	03052009	A	26-06-2003	AU CN EP WO JP JP US	2002349526 1553942 1457534 03052009 3484187 2003246954 2004196343	A A1 A1 B2 A	30-06-2003 08-12-2004 15-09-2004 26-06-2003 06-01-2004 05-09-2003 07-10-2004
JP	2003128962	A	08-05-2003	NONE			
JP	63168477	A	12-07-1988	JP JP	1977166 7005854		17-10-1995 25-01 - 1995
JP	62010173	Α	19-01-1987	JP JP	1924407 6051855	C B	25-04-1995 06-07-1994
JP	06200200	Α	19-07-1994	NONE			
JP	10036743	Α	10-02-1998	JP	3024936	B2	27-03-2000

New claims:

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- 1. An aqueous recording fluid comprising
- 5 (a) at least one colorant which is not completely polymer enveloped, selected from those colorants in particulate form where some colorant particles are completely polymer enveloped and others only incompletely, and those colorants in particulate form wherein some colorant particles are completely polymer enveloped and others not at all,
- (b) at least two wetting agents selected from alkoxylated alcohols of the formula R¹O(AO)_x-H, where R¹ is C₁-C₃₀-alkyl wherein one or else two nonadjacent CH₂ groups may be replaced by oxygen and wherein C₁-C₃₀-alkyl may be unsubstituted or substituted with one or two hydroxyl groups, AO represents alkylene oxide, selected from ethylene oxide, propylene oxide and butylene oxide and x is an integer from 1 to 100, alkoxylated acetylene alcohols, alkoxylated or nonalkoxylated acetylenediols, alkylpolyglucosides, sugar ester alkoxylates, fluorosurfactants, anionic surfactants and cationic surfactants.
- 20 2. An aqueous recording fluid comprising
 - (a) at least one colorant in which at least 0.1% by weight of the colorant particles are not completely polymer enveloped,
 - (b) at least two wetting agents selected from alkoxylated alcohols of the formula R¹O(AO)_x-H, where R¹ is C₁-C₃₀-alkyl wherein one or else two nonadjacent CH₂ groups may be replaced by oxygen and wherein C₁-C₃₀-alkyl may be unsubstituted or substituted with one or two hydroxyl groups, AO represents alkylene oxide, selected from ethylene oxide, propylene oxide and butylene oxide and x is an integer from 1 to 100, alkoxylated acetylene alcohols, alkoxylated or nonalkoxylated acetylenediols, alkylpolyglucosides, sugar ester alkoxylates, fluorosurfactants, anionic surfactants and cationic surfactants.
 - 3. The recording fluid according to claim 1 or 2, comprising (c) at least one dispersant.
 - 4. The recording fluid according to at least one of claims 1 to 3, comprising two wetting agents (b1) and (b2) whose weight ratio is in the range from 1:20 to 20:1.
 - The recording fluid according to at least one of claims 1 to 4, comprising up to
 2% by weight of (b), based on the total weight of the recording fluid.

AMENDED SHEET

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- 6. The recording fluid according to at least one of claims 1 to 5, comprising (d) at least one binder.
- 5 7. A process for producing a recording fluid according to claim 1 to 6, which comprises mixing
 - (a) at least one colorant which is not completely polymer enveloped, selected from those colorants in particulate form where some colorant particles are completely polymer enveloped and others only incompletely, and those colorants in particulate form wherein some colorant particles are completely polymer enveloped and others not at all,
 - (b) at least 2 wetting agents selected from alkoxylated alcohols of the formula R¹O(AO)_x-H, where R¹ is C₁-C₃₀-alkyl wherein one or else two nonadjacent CH₂ groups may be replaced by oxygen and wherein C₁-C₃₀-alkyl may be unsubstituted or substituted with one or two hydroxyl groups, AO represents alkylene oxide, selected from ethylene oxide, propylene oxide and butylene oxide and x is an integer from 1 to 100, alkoxylated acetylene alcohols, alkoxylated or nonalkoxylated acetylenediols, alkylpolyglucosides, sugar ester alkoxylates, fluorosurfactants, anionic surfactants and cationic surfactants,
 - (c) if appropriate at least one dispersant,
 - (d) if appropriate at least one binder,
 - (e) water and
 - (f) if appropriate further assistants

with each other in one or more steps.

- 8. The use of a recording fluid according to claim 1 to 6 or of a recording fluid produced according to claim 7 as an ink for the ink jet process.
 - The process for printing substrates by the ink jet process using a recording fluid according to at least one of claims 1 to 6 or of a recording fluid produced according to claim 7.
 - 10. The process according to claim 9 when the substrates are textile substrates.
 - 11. A printed substrate obtainable by a process according to claim 9 or 10.